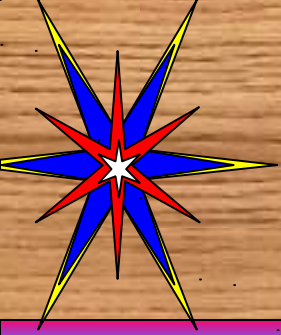


# **Adulterants**

## **Enabling Learning Objectives**

**Select from a list an example of an internal or external adulterant.**



# Adulterants

- ▮ **Reasons for adulterant use:**
  - ▮ **To provide a substituted specimen that will test negative**
  - ▮ **To mask the presence of a drug in the specimen so it will test negative**
  - ▮ **To interfere with the testing methodology and/or instrument function, resulting in a non-testable or negative specimen.**



# Adulterants

- ▢ **Types of adulterants:**

- ▢ **Taken internally (Dilution or Masking)**

- ▢ **This is why Un-announced, random testing is important. If Soldiers don't know when they are going to be tested then they can't take an adulterant.**

- ▢ **Used externally (Added or Substituted)**

- ▢ **This is why direct observation is important. If the observer does his/her job then the Soldier cannot substitute or add something to the specimen.**





# Common Adulterants

- ▮ **Taken internally**
  - ▮ **Water, Golden Seal, Urin Aid, vinegar, diuretics (makes you urinate).....**
  - ▮ **These are examples of substances that will make a Soldier urinate frequently to flush their system.**
  - ▮ **This is adulteration by dilution.**



# Common Adulterants

- ▣ **Used externally**
  - ▣ **Water, fruit juice, baking soda, soap, perfume, cleaning solvents, nitrates, (i.e. bleach, detergent, Drano). Most of these are substitutes and the specimen will be identified as adulterated and Soldier can be prosecuted.**
  - ▣ **A few of these are additives that mask certain drugs, but most of these additives have been identified and the laboratory can clean up the specimen and still get the positive result.**



# Common Adulterants

- ▣ **Used externally - Substituted “CLEAN” urine.**
  - ▣ **Some Soldiers will try to substitute their specimen with purchased “CLEAN” urine or urine from a buddy.**
  - ▣ **In addition to using substituted urine, they will also try to fool the observer by using a prosthetic device to appear to actually be urinating in the specimen bottle. One such device is called the Whizzinator.**
  - ▣ **Click on the whizzinator presentation after you complete this presentation to see this device.**  
**NOTE: The pictures in this presentation show a prosthetic penis.**





# Summary

- ▮ **Soldiers who believe that they will test positive will try to beat the test by adulterating the specimen.**
  - ▮ **If Soldiers do not have prior notice of a urinalysis then they do not have time to flush their system.**
  - ▮ **The holding area also stops Soldiers from flushing their system.**
  - ▮ **Proper observation stops Soldiers from substituting or using additives.**